

## SportBond UBN 5105-1

SportBond® UBN 5105-1 is a series of single-component, 100 % solids, moisture-cured polyurethane binders that are designed for bonding particles together (typically crumb rubber). The resulting composites are used in the manufacture of running tracks, playgrounds, and other synthetic play-surfaces where energy absorption and other impact criteria are important. The cure profile of SportBond® UBN 5105-1 binders allow for either batch-mix or continuous application processes.

### APPLICATIONS

- Rubber

### PRODUCT ADVANTAGES

- Zero VOCs

\*Values given are not intended to be used in specific preparation

### Component Properties

Color - ISO	clear with yellow tint
Specific Gravity - 74°F	1.07 - 1.11
Viscosity - ASTM-D-2196 - 74°F	2000 - 3000 cps
% Solids	100 %

### Reactivity Profile

Gardner Tack Free Time - ASTM D5895 - 20 mils, 78°F/50% Humidity 6.4 Hours

Gardner Gel Time - ASTM D5895 - 20 mil 5.3 Hours

### Typical Physical Properties

Tear Strength - ASTM D624, Die C	390 - 612 pli
Tensile Strength - ASTM D412	2370 - 3372 psi
Elongation - ASTM D412	390 - 475 %

### RECOMMENDED HANDLING INSTRUCTIONS

Isotec® International's Recommended Application and Handling Instructions

- Use only in well-ventilated areas.
- Wear chemically resistant rubber gloves, safety glasses, and an apron.
- Avoid prolonged or repeated contact with skin.
- In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
- In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
- If swallowed or comes into contact with eyes, seek medical attention immediately.

### STORAGE

Protect from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will release CO<sup>2</sup> gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death.

### SAFETY

- Refer to the product SDS for all relevant safety information.

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Since Seller exercises no control over Buyers application or use of the product manufactured by Seller ("product") and since materials used with the product may vary, it is understood that:

- THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FOR ANY PARTICULAR PURPOSE. While all data presented in Seller's technical data sheet is based on the best information available to Seller and believed correct, such data is not to be construed as a warranty that the product will conform to such specifications. Such technical data sheets are subject to change without notice. Reported laboratory test results of fire redundancy in no way relates to the actual performance under fire conditions. Since all urethane systems are organic, they will burn.
- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

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